



**Fiscal Year 2000
Alaska District Success Stories
Cold Bay C3 Zone FUDS**



Overview of Stockpiled Soil at the Drum
Disposal Area

FUDS PROPERTY NAME: Ft. Randall

FUDS No.: F10AK0845

LOCATION: Cold Bay, Alaska

The Cold Bay cleanup effort encompasses multiple Formerly Used Defense Sites near the community of Cold Bay (formerly Ft. Randall), as well as the community on adjacent islands in the Aleutians.

This year, the primary field activities include thermal treatment of soil excavated in previous remedial activities and operation of the groundwater treatment system. This system is removing free product from the water table and dissolved contaminants from the groundwater. Scrap metal from drum removal and investigations and cleanup work is ongoing.

PROJECT DESCRIPTION

The Ft. Randall site includes multiple fuel storage tank locations, a drum disposal area, and ancillary sources. Contaminants of concern include fuels, solvents and pesticides. The primary project objective is reduction of risk through the removal and remediation of waste on site.

Cleanup efforts began at Fort Randall in 1998 utilizing the TERC. During the 1998 and 1999 field seasons, interim removal actions were undertaken which included removal of thirty-two 20,000-gallon tanks and over 2,200 drums. In addition, 5,500 cubic yards of contaminated soil was excavated and stockpiled for treatment this year.

As of 31 October 2000, the first seven batches of approximately 450 yards of soil have been successfully remediated using an enhanced thermal conduction technique. Soil treatment is expected to be completed in December.

In addition, recycling of all crushed drums and scrap metal utilizing 64 tank halves, as shipping containers was accomplished. Operation of a high-vacuum extraction (HVE) system installed to remove free product from the groundwater at the site has continued. The system has treated over one million gallons of ground water and removed in excess of 2000 gallons of full petroleum product.

COST SAVINGS

All project tasks are either on budget or under budget. Significant savings (over \$50,000) will be realized *annually* for operation of the HVE system due to optimization efforts conducted this summer. In addition, over 40% more steel (by weight) will be recycled this year than originally planned within the existing project budget. Efforts were made to coordinate with the local community to share shipping costs for additional accumulated non-procurement scrap metal for recycling in Seattle.



Enhanced Thermal Treatment Cell



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Tank Halves Staged for Recycling Pick-up

SCHEDULE SAVINGS

All FY2000 tasks will be successfully completed on schedule this year.

OTHER PROJECT SUCCESSES

Safety has been one of our biggest project success stories - the result of good planning and attention to safety in the field have resulted in no injuries. The year has also been another community relations success to Cold Bay (pop. approx. 100 people) as local staff are being used to conduct field operations, and over \$400,000 will be pumped into the local economy this year. Furthermore, the community is very pleased that "eyesore" accumulations of scrap drums and tanks are being removed (and recycled!).

PUBLIC INVOLVEMENT

Community relation's activities are on going in Cold Bay, with multiple public meeting scheduled each year. The community is pleased with ongoing work with no serious outstanding public concerns.

NATURE OF SUCCESSES

Key successes at Cold Bay this year included: 1) the strong safety record; 2) the favorable interaction with and re-investment in the community; 3) goodwill generated from the substantial recycling effort; and 4) the significant overall project cost savings associated with optimization efforts and efficient project management.

ADJACENT SITES

Activities at Cape Sarichef, Unalga Island Naval Radio Station, Chernabura Island Naval Radar and Weather Station, Caton Island Naval Air Navigational Site, and Tigalda Island Army Aircraft Warning Station were conducted in 1998 and 1999. Planning for remediation activities required at these sites are underway.

POINT OF CONTACT

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